



<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete If Known</b>	
				Application Number	10/820,975
				Filing Date	April 7, 2004
				First Named Inventor	Santi, Daniel
				Art Unit	1633
				Examiner Name	Ileana Popa
Sheet	1	of	1	Attorney Docket Number	020547-003700US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
I.P.	1	US-5,824,513	10-20-1998	Katz, et al.	
I	2	US-6,358,712 B1	03-19-2002	Jarrell, et al.	
I.P.	3	US-2004-0166567 A1	08-28-2004	Santi, et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee, or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
I.P.	4	WO	93/13663	A1	07-22-1993	Katz, et al.		<input type="checkbox"/>
I.P.	5	WO	01/92991	A2	12-06-2001	Khosla, et al.		<input type="checkbox"/>
								<input type="checkbox"/>

NON PATENT LITERATURE DOCUMENTS					T <sup>2</sup>
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
J.P.	6	Donadio, S., et al., Organization of the enzymatic domains in the multifunctional polyketide synthase involved in erythromycin formation in <i>Saccharopolypora erythraea</i> , Gene (1992), 111(1):51-60			<input type="checkbox"/>
I	7	Mandecki, W., et al., <i>FokI</i> method of gene synthesis, Gene (1988), 68(1):101-7			<input type="checkbox"/>
	8	Mandecki, W., et al., A totally synthetic plasmid for general cloning, gene expression and mutagenesis in <i>Escherichia coli</i> , Gene (1990) 94(1):103-7.			<input type="checkbox"/>
	9	PCT Search Report for PCT/US03/03940 dated February 8, 2006.			<input type="checkbox"/>
J.P.	10	Wingfield, P., et al., The extracellular domain of immunodeficiency virus gp41 protein: Expression in <i>Escherichia coli</i> , purification, and crystallization, Protein Science (1997) 6:1653-60.			<input type="checkbox"/>

Examiner Signature	Ileana Popa	Date Considered	04/14/06
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.



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1.P	AG	BALDINO, F., "High Resolution In Situ Hybridization Histochemistry," <u>Methods in Enzymology</u> , 168:761-777 (1989).	
	AH	BRESLAUER et al., "Predicting DNA Duplex Stability from the Base Sequence," <u>PNAS</u> , 83(11):3746-3750 (1986).	
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	AJ	BU et al., "DNA Builder: A Program to Design Oligonucleotides for the PCR Assemble of DNA Fragments," Center for Biomedical Inventions, University of Texas Southwestern Medical Center (2002).	
	AK	CANE et al., "Harnessing the Biosynthetic Code: Combinations, permutations, and Mutations," <u>Science</u> , 282:63-68 (1998).	
	AL	CHALMERS et al., "Scaling Up the Ligase Chain Reaction-based Approach to Gene Synthesis," <u>Biotechniques</u> , 30(2):249-252 (2001).	
	AM	CHAMBERS et al., "High-level generation of polyclonal antibodies by genetic immunization," <u>Nature Biotechnology</u> , 21(9):1088-1092 (2003).	
	AN	CHE, A., "The BioBricks++ Assembly Scheme," February 9, 2004.	
	AO	CHE, A., "Formalizing Modular Assembly Systems," March 17, 2003.	
	AP	CHEN et al., "Universal Restriction Site-Free Cloning Method Using Chimeric Primers," <u>BioTech</u> , 32(3):516-520 (2002).	
	AQ	EWING, B., "Base-Calling of Automated Sequencer Traces Using <i>Phred</i> . II. Error Probabilities," <u>Genome Research</u> , 8:186-194 (1998).	
	AR	EWING et al., "Base-Calling of Automated Sequencer Traces Using <i>Phred</i> I. Accuracy Assessment," <u>Genome Research</u> , 8:175-185 (1998).	
	AS	GOKHALE et al., "Dissecting and Exploiting Intermodular Communication in Polyketide Synthases," <u>Science</u> , 284:482-485 (1999).	
	AT	GORDON et al., "Consed: A Graphical Tool for Sequence Finishing," <u>Genome Research</u> , 8:195-202 (1998).	
	AU	GORDON, D., "Automated Finishing With Autofinish," <u>Genome Research</u> , 11:614-625 (2001).	
1.P	AV	HOOVER et al., "DNA Works: An Automated Method for Designing Oligonucleotides for PCR-Based Gene Synthesis," <u>Nuc. Acids Res.</u> , 30(10):e43, 7 pages total (2002).	

Examiner Signature	<i>Deanna Pina</i>	Date Considered	04/04/06
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J.P.	AW	KNIGHT, T., "Idempotent Vector Design for Standard Assembly of Biobricks," MIT Artificial Intelligence Laboratory.	
	AX	LONGDEN et al., "EMBOSS: The European Molecular Biology Open Software Suite," <u>Trends in Genetics</u> , 16(6):276-277 (2000).	
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	BB	STEMMER et al., "Single-Step Assembly of a Gene and Entire Plasmid From Large Numbers of Oligodeoxynucleotides," <u>Gene</u> , 164:49-53 (1995).	
	BC	WITHERS-MARTINEZ et al., "PCR-Based Gene Synthesis as an Efficient Approach for Expression of the A+T-rich Malaria Genome," <u>Protein Eng.</u> , 12(2):1113-1120 (1999).	
	BD	WU et al., "Analysis of the Molecular Recognition Features of Individual Modules Derived from the Erythromycin Polyketide Synthase," <u>J. Am. Chem. Soc.</u> , 122(20):4847-4852 (2000).	
	BE	WU et al., "Quantitative Analysis of the Relative Contributions of Donor Acyl Carrier Proteins, Acceptor Ketosynthases, and Linker Regions to Intermodular Transfer of Intermediates in Hybrid Polyketide Synthases," <u>Biochemistry</u> , 41(15):5056-5066 (2002).	
J.P.	BF	WU et al., "Assessing the Balance Between Protein-Protein Interactions and Enzyme-Substrate Interactions in the Channeling of Intermediates Between Polyketide Synthase Modules," <u>J. Am. Chem. Soc.</u> , 123(27):6465-6474 (2001).	

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